

LETTERS

Safely restarting renal transplant programs should be a priority

Many transplant centres have temporarily shut down their living donor kidney transplant programs “to ease pressure on hospitals and protect donors and recipients from coronavirus disease 2019 (COVID-19).”¹ These actions make sense. At the same time, pre-emptive renal transplantation with a living donor remains the optimal therapy for end-stage renal disease.² Without this being an available therapeutic option, patients are being exposed to more dialysis and its associated risks (including increased risk of COVID-19). For example, according to registry data from France, the COVID-19 mortality rate was 30% among patients waitlisted for hemodialysis, compared with 13% in the kidney transplant population.³ As of May 6, 2020, the European Renal Association—European Dialysis and Transplant Association (ERA-EDTA) COVID-19 database has reported mortality rates of 20% and 18% for dialysis and kidney transplant patients, respectively.⁴

Given these data, workup of living donors must continue. Yet, strategies that minimize visits to hospital, address donor COVID-19–related anxiety and provide proper follow-up are essential. How can this be achieved?

First, in-person donor evaluations should take place in dedicated “cold zones” of the hospital. Testing must also be condensed (if possible) into a period of 1–2 days so that repeated trips to the

hospital can be minimized. In addition, the perioperative period is generally a stressful time for the living donor. In the era of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), this anxiety is likely to be increased. Mandatory SARS-CoV-2 testing, a 14-day self-quarantine period before the nephrectomy and hospital admission in a COVID-19–free zone will all be the “new normal.” Lastly, given that history-taking, blood pressure measurement and laboratories encompass the bulk of living donor surveillance, most long-term follow-up can effectively be done on a virtual basis rather than in person.

For those living donors who are either ABO or human leukocyte antigen incompatible with their recipient, paired exchange programs have provided excellent opportunities to proceed with transplantation. In Canada’s kidney paired donation program, living donors have traditionally travelled to the recipient’s transplant centre (often in a different province). Donor travel, particularly to a different province, can be a source of apprehension and a reason for refusal to participate (owing to perceived expense or lack of familiarity with the city or language, or both). With the emergence of COVID-19, donors can now add another reason to refuse participation. Given the above, transplant programs in Canada should adopt ways to efficiently ship kidneys (while minimizing cold ischemic time and delayed graft function).⁵

In summary, as both a life-saving and cost-effective therapy, hospitals and health care systems must strive to return

to safely performing living donor kidney transplantation. With donor anxiety and stress further inflamed by COVID-19, measures that financially and medically protect the living donor are more important than ever before.

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